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**NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER**

**OAK**

**PHOTOGRAPHIC INTERPRETATION REPORT**

**KH-4 MISSION 1110**

**IPIR NUMBER 4**

**MISSION 1110-2 OAK PART I**

**31 MAY - 8 JUNE 1970**

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**TCS-20220/70**

**JUNE 1970**

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**TARGET CATEGORIES  
AND  
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- |  |   |
|--|---|
| 1. STRATEGIC SSM<br>Deployed Strategic SSM Facilities (A)  | 7. GROUND<br>Ground Force Facilities (G)  |
| 2. MISSILE RANGES<br>Missile Ranges: Strategic SSM/Space Facilities (P)<br>Missile Ranges: Air-Launched Missile Facilities (Q)<br>Missile Ranges: Naval-Launched Missile Facilities (R)<br>Missile Ranges: Tactical SSM Facilities (S)<br>Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM<br>Deployed Tactical SSM Facilities (H)   |
| 3. AIR DEFENSE MISSILES<br>Deployed AMM Facilities (B)<br>Deployed SAM Facilities (D)  | 9. LOGISTICS<br>Military Logistics Facilities (K)   |
| 4. ELECTRONICS/COMMUNICATIONS<br>Deployed Communication/Electronic/Radar Facilities (C)  | 10. NUCLEAR ENERGY<br>Atomic Energy Facilities (O)  |
| 5. AIR<br>Air Base Facilities (E)  | 11. CBR<br>CBR Facilities (V)   |
| 6. NAVAL<br>Naval Base Facilities (F)  | 12. INDUSTRY<br>Strategic Weapons Industrial Facilities (J)<br>General Purpose Weapons Industrial Facilities (L)<br>Non-Military Industrial Facilities (N)<br>Communication/Electronic/Radar R&D Facilities (U) |
|  | 13. MISCELLANEOUS<br>Non-Military Logistics Facilities (M)<br>Miscellaneous/Unidentified Facilities (Z)   |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).


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PREFACE

PREFACE

THIS IS THE FIRST AND FINAL OAK REPORT ON MISSION 1110-2. FOR  
COMPLETE PREFACE SEE OAK PART 1, 1110-1.

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HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

1. SIX SS-11 LAUNCH SITES ARE NEWLY IDENTIFIED ON THIS MISSION, FIVE AT PERM FILLING OUT LAUNCH GROUP N AND ONE AT TEYKOVO FILLING OUT LAUNCH GROUP H. ONE SS-13 LAUNCH SITE IS NEWLY IDENTIFIED AT THE YOSHKAR-OLA ICBM COMPLEX IN EXISTING LAUNCH GROUP E. ALL SIX GROUPS AT THIS COMPLEX NOW HAVE THEIR FULL COMPLEMENT OF TEN LAUNCH SITES.

2. AT THE DERAZHNYA MRBM COMPLEX, ONE TYPE IIID LAUNCH SITE IS NEWLY IDENTIFIED, FILLING OUT LAUNCH GROUP C.

AIR ACTIVITY

3. TWO KAZ-A AND A CARELESS (TU-154) WERE OBSERVED AT RAMENSKOYE FLIGHT TEST CENTER [REDACTED] ON [REDACTED] NO KAZ-A WERE SEEN AT KAZAN AIRFRAME PLANT GORBUNOV 22 [REDACTED]

4. TWO CARELESS (TU-154) WERE SEEN AT KUYBYSHEV AIRFRAME PLANT LENIN 18 [REDACTED] ON [REDACTED]. THIS CONFIRMS THE EXISTENCE OF AT LEAST TWO OF THESE TRI-JET TRANSPORTS. IF THERE WAS NO FLIGHT ACTIVITY BETWEEN RAMENSKOYE AND KUYBYSHEV FROM [REDACTED] THERE ARE THREE OF THESE AIRCRAFT.

5. BLINDER SUPERSONIC MEDIUM JET BOMBER AIRCRAFT WERE OBSERVED FOR THE FIRST TIME AT UZIN/CHEPELEVKA AIRFIELD ON [REDACTED] 25X1D  
[REDACTED] ELEVEN BLINDER WERE PRESENT AT THIS FIELD WHICH IS A HEAVY BOMBER BASE IN THE SOUTHWEST BOMBER COMMAND. THE NORMAL AIR ORDER OF BATTLE AT THIS FIELD HAS INCLUDED BEAR B OR C AND CAT OR CUB AIRCRAFT. THE BEAR B IS A HEAVY BOMBER. THE BEAR C CARRIES THE KANGAROO AIR-TO-SURFACE MISSILE, AND THE CAT AND CUB ARE MEDIUM TRANSPORTS. FOUR CAT OR CUB AND 41 BEAR WERE PRESENT ON [REDACTED]

6. A 2,526- BY 45-METER (8,288- BY 148-FOOT) SERVICEABLE GRADED-EARTH DISPERSAL AIRFIELD WAS NEWLY IDENTIFIED ON [REDACTED] 25X1D  
IN THE CENTRAL ASIAN MILITARY DISTRICT, 3.2 NAUTICAL MILES (NM) EAST OF ZHANGIZ-TOBE. THE AIRFIELD, WHICH WAS CONSTRUCTED AFTER [REDACTED] HAS A PARALLEL TAXIWAY, TWO END-CONNECTING LINKS, AND TWO CROSSOVER LINKS.

NUCLEAR ACTIVITY

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25X2

HIGHLIGHTS

NAVAL ACTIVITY

25X1D 8. THE 14TH Y-CLASS BALLISTIC MISSILE SUBMARINE (SSBN)  
25X1D BUILT AT SEVERODVINSK SHIPYARD 402 WAS LAUNCHED BETWEEN [REDACTED]  
[REDACTED] ACTIVITY ON LAUNCH RAIL B IN THE LAUNCH  
BASIN INDICATED THAT PREPARATIONS WERE UNDERWAY FOR THE LAUNCH  
OF THE 15TH UNIT.

GROUND FORCE ACTIVITY

25X1D 9. A BARRACKS AREA, PROBABLY OF REGIMENTAL SIZE, WAS  
OBSERVED UNDER CONSTRUCTION ON [REDACTED] 1.5 NM WEST OF  
25X1D GEORGIYEVKA AND 170 NM NORTHWEST OF THE USSR-CHINA BORDER. THIS  
25X1D INSTALLATION CONTAINS SIX BARRACKS AND THREE OTHER BUILDINGS,  
ALL UNDER CONSTRUCTION, AND AT LEAST SIX ADDITIONAL BUILDING  
FOUNDATIONS. APPROXIMATELY 155 TENTS AND 250 VEHICLES AND  
PIECES OF EQUIPMENT WERE OBSERVED HERE ON [REDACTED] CONSTRUCTION  
OF THIS INSTALLATION BEGAN IN EARLY [REDACTED]

ELECTRONICS ACTIVITY

25X1D 10. A HIGH-FREQUENCY COMMUNICATIONS FACILITY WAS NEWLY  
IDENTIFIED ON [REDACTED] 3.1 NM NORTHWEST OF KARMANOVO AND  
APPROXIMATELY 72 NM NORTHWEST OF ODESSA. THE SECURED  
INSTALLATION CONTAINS A CONTROL BUILDING, TWO VERTICAL  
RADIATORS (ONE UNDER CONSTRUCTION), AND A LINEAR ARRAY  
TRANSMITTER CONSISTING OF 12 TOWERS WITH A PROPAGATION AZIMUTH  
OF 246 DEGREES. THIS IS THE 12TH FACILITY OF THIS TYPE TO BE  
IDENTIFIED IN THE USSR.

CHINA

AIR ACTIVITY

25X1D 11. THREE BADGER WERE SEEN AT HSI-AN AIRFRAME PLANT  
25X1A YEN-LIANG 172 [REDACTED] ON [REDACTED]

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CHINA, COMMUNIST  
INDUSTRY

SIGNIFICANT RESULTS

25X1D HSI-AN AIRFRAME PLT YEN-LIANG 172 25X1A 25X1D 25X1D  
[REDACTED] NAC [REDACTED] 34-38- [REDACTED] N 109-13- [REDACTED] E

STATUS: OPERATIONAL

25X1D ASSOCIATED OBJECTS:

3 BADGER  
8 DELTA/SWEPT-WING (AT LEAST) 5 SMALL STRAIGHT-WING (AT LEAST)

25X1D [REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

25X1D HU-HO-HAO-TE SOLID PROPELLANT COMPLEX 25X1A 25X1D 25X1D  
[REDACTED] NAC [REDACTED] 40-43- [REDACTED] N 112-00- [REDACTED] E

STATUS: OPERATIONAL

25X1D [REDACTED]

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UNITED ARAB REPUBLIC  
AIR BASE FACILITIES

### SIGNIFICANT RESULTS

25X1D

ASWAN AIRFIELD

25X1A

25X1D

25X1D

23-58- [REDACTED] N 032-49- [REDACTED] E

STATUS: OPERATIONAL

25X1A

#### REMARKS:

25X1A  
25X1D

CONSTRUCTION CONTINUED ON THE DISPERSAL AREA, LARGE AIRCRAFT  
REVTMENTS, AND HANGARETTES. THE ASM SHIPPING CRATES  
IDENTIFIED AT ASWAN MILITARY STORAGE DEPOT [REDACTED] 1 NM  
NE OF ASWAN AIRFIELD ON [REDACTED]  
REMAINED IN PLACE.

#### AIR ORDER OF BATTLE:

1 BADGER

4 POSS SMALL AIRCRAFT

6 PROB FISHBED

25X1D

[REDACTED]

25X1D

CAIRO AIRFIELD

NAC

25X1A

25X1D

25X1D

30-08- [REDACTED] N 031-24- [REDACTED] E

STATUS: OPERATIONAL

#### AIR ORDER OF BATTLE:

4 MEDIUM SWEEP-WING

4 SMALL STRAIGHT-WING

14 MEDIUM STRAIGHT-WING

7 POSS SMALL AIRCRAFT

8 LIGHT STRAIGHT-WING

25X1D

[REDACTED]

25X1D

DARAW AIRFIELD

NAC

25X1A

25X1D

25X1D

24-24- [REDACTED] N 032-57- [REDACTED] E

STATUS: OPERATIONAL

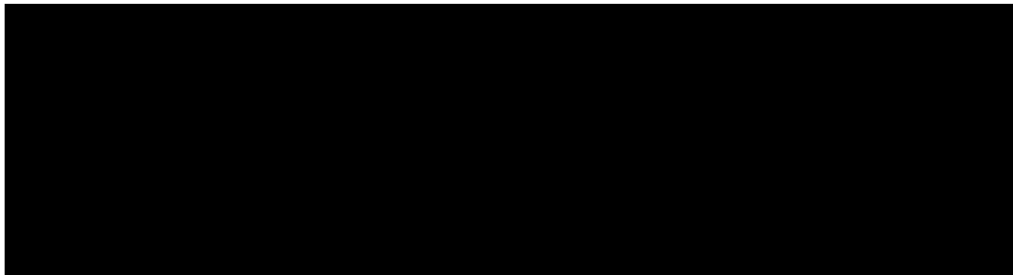
#### AIR ORDER OF BATTLE:

8 POSS SMALL AIRCRAFT (AT  
LEAST)



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25X1D

UNITED ARAB REPUBLIC  
AIR BASE FACILITIES



25X1D 25X1D

25X1A 30-19- N 031-27- E

25X1D

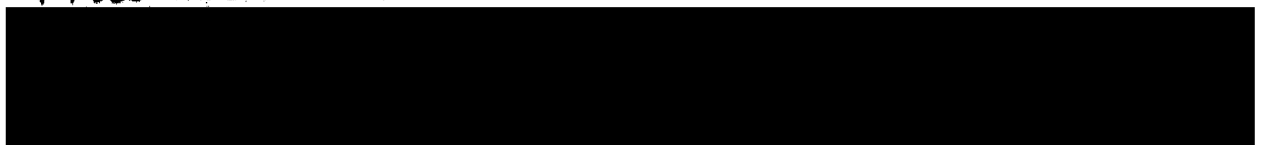
INCHAS AIRFIELD

NAC

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:  
4 POSS SMALL AIRCRAFT

25X1D



25X1D

LUXOR AIRFIELD

25X1A

25-40- N 032-42- E

25X1D

25X1D

25X1A

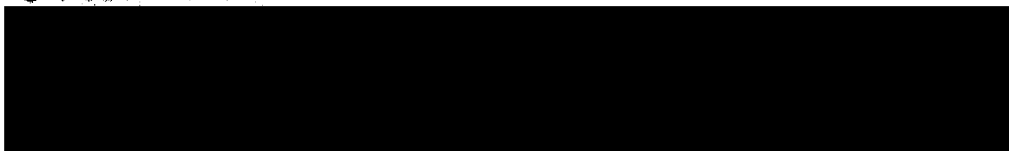
STATUS: OPERATIONAL

REMARKS:  
CONSTRUCTION WAS CONTINUING ON THE RUNWAY, TAXIWAY, AND  
HANGARETTES.

AIR ORDER OF BATTLE:  
4 POSS BEAGLE  
6 POSS FISHBED  
6 POSS FAGOT/FRESCO

2 LIGHT STRAIGHT-WING  
4 POSS SMALL AIRCRAFT (AT  
LEAST)

25X1D



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UNITED ARAB REPUBLIC  
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D BUR SAID NAVAL BASE  
[REDACTED] NAC

25X1A 25X1D 25X1D  
31-15- [REDACTED] N 032-18- [REDACTED] E  
[REDACTED]

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:  
1 PROB DD  
1 SMALL COMBATANT

2 MERCHANT SHIPS

25X1D [REDACTED]

OTHER RESULTS-NO APPARENT CHANGE

25X1D AS SUWAYS NAVAL BASE AND PORT ADABIYAH  
[REDACTED] NAC

25X1A 29-52-//N 032-27-//E  
[REDACTED]

STATUS: DAMAGED

NAVAL ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D [REDACTED]

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UNITED ARAB REPUBLIC  
GROUND FORCE FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

25X1D

AS SUWAYS PROB COASTAL DEFENSE SITE  
NAC

25X1A 29-49-25 N 032-28-15 E

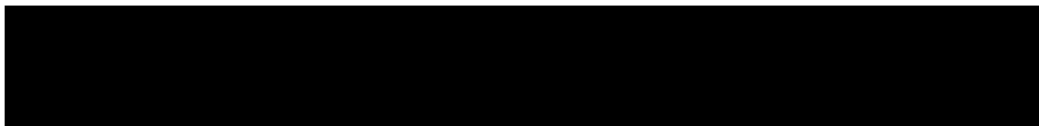
25X1D

25X1D

STATUS:UNKNOWN

MISSILE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



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KOREA, NORTH  
LOGISTICS

SIGNIFICANT RESULTS

25X1D YONGHYON-DONG RR YARD  
NAC

25X1A

42-24 N 130-37

25X1D

25X1D

STATUS: OPERATIONAL

REMARKS:

THE EXTENT OF ACTIVITY COULD NOT BE DETERMINED.

25X1D



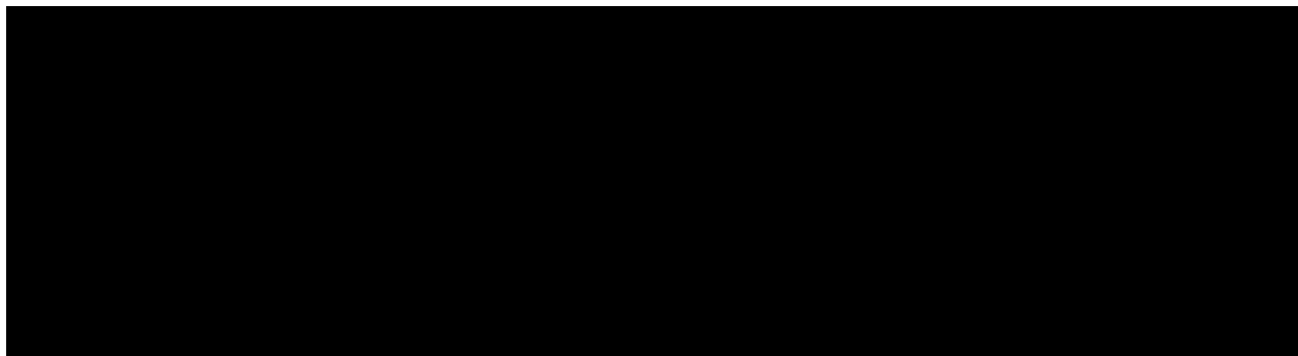
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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES



DOMBAROVSKIY ICBM COMPLEX

25X1A

50-58-██ N 059-44-██ E

25X1D

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO NEW MISSILE  
ACTIVITY OBSERVED.



DROVYANAYA ICBM COMPLEX

25X1A

51-28-██ N 113-01-██ E

25X1A

STATUS: OPERATIONAL

REMARKS:  
FIVE OF THE 50 SS-11 AND FOUR OF THE SIX SS-7 LAUNCH SITES WERE  
OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED.



IMENI GASTELLO ICBM COMPLEX

25X1A

51-03-██ N 066-14-██ E

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO NEW MISSILE  
ACTIVITY OBSERVED.

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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

[REDACTED]

25X1D

25X1D

KARTALY ICBM COMPLEX

25X1A

52-59- [REDACTED] N 060-31- [REDACTED] E

25X1D

[REDACTED]

[REDACTED]

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO NEW MISSILE  
FACILITIES OBSERVED.

[REDACTED]

25X1D

25X1D

25X1D

KIVERTSY MRBM COMPLEX  
NAC

25X1A 50-56- [REDACTED] N 025-34- [REDACTED] E

25X1D

STATUS: OPERATIONAL

REMARKS:  
ONLY LAUNCH SITE 2 WAS OBSERVED. NO SILO CONSTRUCTION  
OBSERVED.

[REDACTED]

25X1D

25X1D

25X1D

KOSTROMA ICBM COMPLEX

25X1A

58-00- [REDACTED] N 041-22- [REDACTED] E

25X1D

[REDACTED]

[REDACTED]

25X1A

STATUS: UNKNOWN

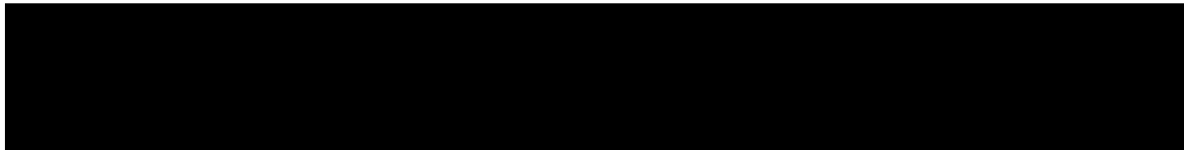


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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

REMARKS:  
ONLY LAUNCH SITE 37K WAS OBSERVED AND IT COULD BE IDENTIFIED  
ONLY. NO NEW MISSILE ACTIVITY OBSERVED.

25X1D



25X1D

25X1D

25X1D

KOZELSK ICBM COMPLEX

25X1A

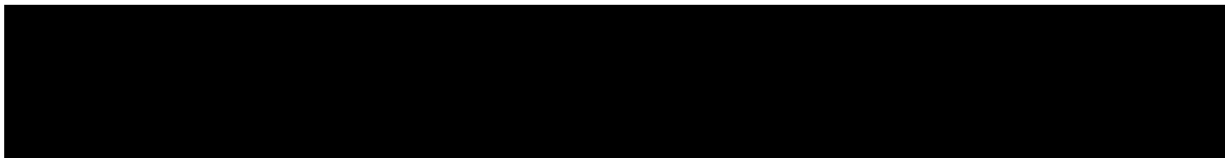
53-51- N 035-45- E

STATUS: UNKNOWN

25X1A

REMARKS:  
ONLY TEN OF THE 110 SS-11 LAUNCH SITES WERE IDENTIFIED. NO NEW  
MISSILE ACTIVITY OBSERVED.

25X1D



25X1D

25X1D

25X1D

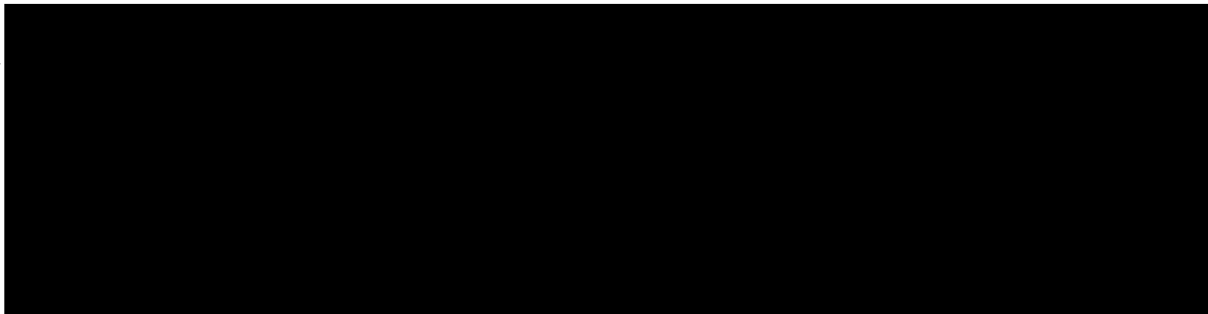
KRASNOZNAMENSK MRBM COMPLEX  
NAC

25X1A 55-01- N 022-16- E

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX EXCEPT LAUNCH SITE 1 WERE  
VISIBLE. NO SILO CONSTRUCTION OBSERVED.

25X1D



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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D KREMOVO MRBM COMPLEX  
NAC

25X1A 44-00- N 132-23- E  
25X1D

STATUS: OPERATIONAL

REMARKS:

25X1D ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. A PROBABLE  
SCALEBOARD EXERCISE WAS OBSERVED ON AT KREMOVO  
SCALEBOARD LAUNCH SITE 2, POSSIBLY INCLUDING AS MANY AS FOUR  
SCALEBOARD TEL. NO SILO CONSTRUCTION OBSERVED.

25X1D

25X1D LEBEDIN IRBM COMPLEX  
NAC

25X1A 50-34- N 034-25- E  
25X1D

STATUS: OPERATIONAL

REMARKS:

25X1D ALL ELEMENTS OF THE COMPLEX WERE VISIBLE. NO SILO CONSTRUCTION  
OBSERVED.

25X1D

25X1D MARINA GORKA MRBM COMPLEX

25X1A

25X1D 53-26- N 027-45- E  
25X1D

STATUS: NEGATED

REMARKS:

25X1D THE MARINA GORKA DUMMY MRBM SITE WAS OBSERVED. NO SILO  
CONSTRUCTION OBSERVED.

25X1D

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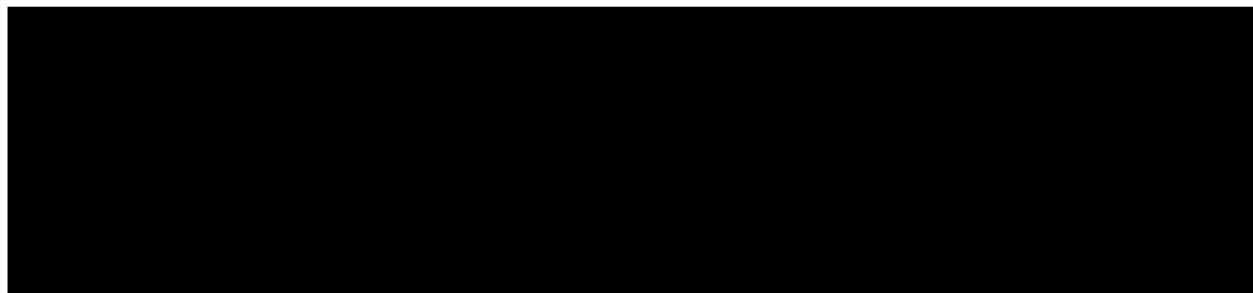
SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D NIGRANDE IRBM COMPLEX  
NAC

25X1A 25X1D 25X1D  
56-33- N 022-01- E

STATUS: OPERATIONAL

REMARKS:  
ALL ELEMENTS OF THE COMPLEX WERE OBSERVED. NO SILO  
CONSTRUCTION OBSERVED.



25X1D PERM ICBM COMPLEX

25X1A

25X1D 25X1D  
57-42- N 056-02- E

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX EXCEPT FIVE SS-11 LAUNCH SITES  
WERE OBSERVED. FIVE SS-11 LAUNCH SITES ARE NEWLY IDENTIFIED.  
THESE SITES FILL OUT THE N GROUP, WITH SITE 100 BEING THE  
CONTROL SITE.

DATA FOR THE NEW SITES --

LAUNCH SITE	GEOGRAPHIC COORDINATES	CONST STAGE	NOT PRESENT	FIRST SEEN
99N	5749N 05554E	MID		
100N	5749N 05559E	MID		
101N	5744N 05601E	MID		
102N	5748N 05613E	MID		
103N	5750N 05615E	MID		

25X1D

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

LS 99  
LS 100

25X1D

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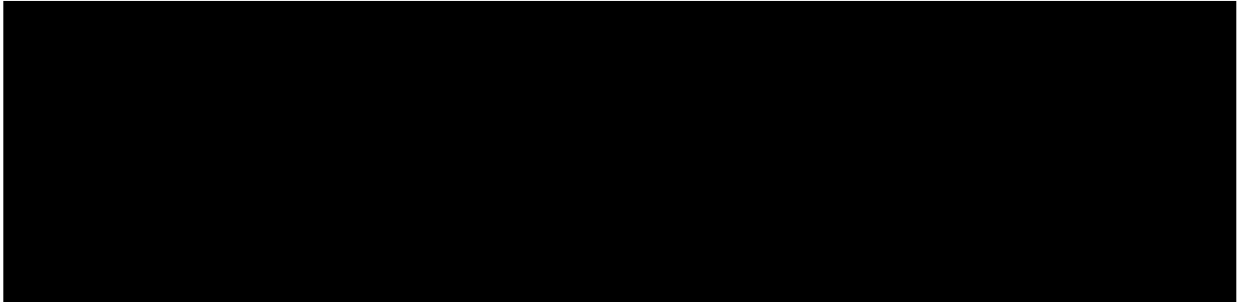
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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

LS 101 --  
LS 102 --  
LS 103 --

25X1D



25X1D

PERVOMAYSK IRBM COMPLEX

25X1A

25X1D 47-58- N 030-56- 25X1D

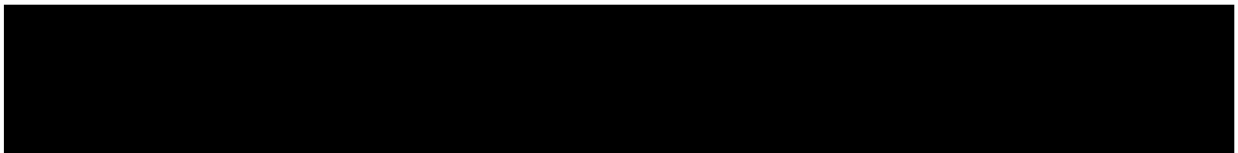
STATUS: OPERATIONAL

25X1A

REMARKS:

THIRTY-SIX OF THE 55 TYPE IIID LAUNCH SITES, PORTIONS OF THE THREE IRBM LAUNCH SITES, AND BOTH RAIL-TO-ROAD TRANSFER POINTS WERE OBSERVED, NO ADDITIONAL SILO CONSTRUCTION OBSERVED.

25X1D



25X1D

POLOTSK MRBM COMPLEX  
NAC

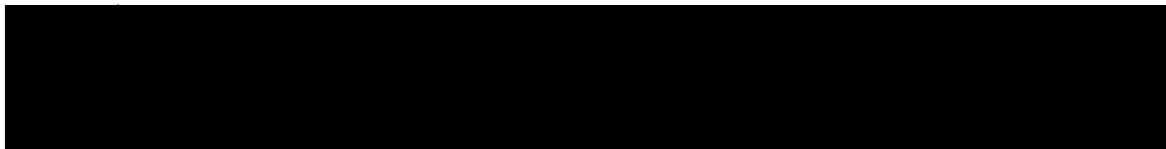
25X1A 25X1D 25X1D  
55-23- N 028-39- E

STATUS: OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX WERE PARTIALLY OBSERVED. NO SILO CONSTRUCTION OBSERVED.

25X1D



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SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D POSTAVY MRBM COMPLEX  
[REDACTED] NAC

25X1A 25X1D 25X1D  
55-15- [REDACTED] N 026-52- [REDACTED] E  
[REDACTED]

STATUS: OPERATIONAL

REMARKS:  
ALL ELEMENTS OF THE COMPLEX WERE OBSERVED. NO SILO  
CONSTRUCTION OBSERVED.

25X1D [REDACTED]

25X1D SATEIKIAI MRBM COMPLEX  
[REDACTED] NAC

25X1A 25X1D 25X1D  
56-00- [REDACTED] N 021-40- [REDACTED] E  
[REDACTED]

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO SILO  
CONSTRUCTION OBSERVED.

25X1D [REDACTED]

25X1D SHADRINSK ICBM COMPLEX  
[REDACTED]

25X1A

25X1D 25X1D  
56-08- [REDACTED] N 063-51- [REDACTED] E  
[REDACTED]

STATUS: OPERATIONAL

REMARKS:  
THE COMPLEX SUPPORT FACILITY AND THE RAIL-TO-ROAD TRANSFER  
POINT WERE OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED.

25X1D [REDACTED]

Handle Via  
Talent-KEYHOLE  
Control System Only

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TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D TAURAGE MRBM COMPLEX  
NAC

25X1A 25X1D 25X1D  
55-07-██ N 022-19-██ E

STATUS: OPERATIONAL

REMARKS:  
ALL COMPLEX COMPONENTS WERE VISIBLE. NO SILO CONSTRUCTION  
OBSERVED.

25X1D [REDACTED]

25X1D TEYKOVO ICBM COMPLEX

25X1A

25X1D

56-55-██ N 040-30-██ E

STATUS: OPERATIONAL

25X1D REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED, INCLUDING A NEWLY  
25X1D IDENTIFIED SS-11 SINGLE-SILO LAUNCH SITE, DESIGNATED 96H. THE  
SITE, AT 56-51N 039-40E, IS IN A MIDSTAGE OF CONSTRUCTION AND  
25X1D FILLS OUT LAUNCH GROUP H. IT WAS FIRST SEEN ON [REDACTED] AND  
WAS NOT PRESENT ON [REDACTED]

25X1D PHOTOGRAPHIC REFERENCE FOR THE NEW SITE --  
LS 96H -- [REDACTED]

25X1D [REDACTED]

25X1D UMAN MRBM COMPLEX  
NAC

25X1A

25X1D 48-56-██ N 030-26-██ E

STATUS: OPERATIONAL

REMARKS:  
PORTIONS OF TWO LAUNCH SITES AND THE RAIL-TO-ROAD TRANSFER  
POINT WERE VISIBLE. NO SILO CONSTRUCTION OBSERVED.

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2  
25X1D

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

[REDACTED]

25X1D USOVO MRBM COMPLEX

25X1A

25X1D 51-18- [REDACTED] N 028-12- [REDACTED] E 25X1D

25X1A

STATUS: UNKNOWN

REMARKS:  
THE COMPLEX IS NOT OBSERVED. NO NEW SILO CONSTRUCTION OBSERVED  
IN THE VISIBLE PORTIONS OF THE SEARCH AREA.

25X1D

[REDACTED]

25X1D

25X1D

VERKHNYAYA SALDA ICBM COMPLEX

25X1A

58-10- [REDACTED] N 060-29- [REDACTED] E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO NEW MISSILE  
ACTIVITY OBSERVED.

25X1D

[REDACTED]

25X1D

25X1D

VSELYUB MRBM COMPLEX  
NAC

25X1A

25X1D

53-46- [REDACTED] N 025-45- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:  
PARTS OF LAUNCH SITES 1 AND 2 WERE VISIBLE. NO SILO  
CONSTRUCTION OBSERVED.

25X1D

[REDACTED]

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

[REDACTED]

25X1D

25X1D

25X1D YEDROVO ICBM COMPLEX

25X1A

57-49-N 033-28-E

25X1A

STATUS: OPERATIONAL

REMARKS:

25X2 FORTY-ONE SS-11 LAUNCH SITES, SIX SS-7 LAUNCH SITES, THE  
RAIL-TO-ROAD TRANSFER POINT, [REDACTED]  
[REDACTED] THE TRAINING SITE, THE HEADQUARTERS COMMAND AND  
CONTROL FACILITY, AND THE COMPLEX SUPPORT FACILITY WERE  
OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED.

25X2

25X1D

[REDACTED]

25X1D

25X1D

25X1D YOSHKAR-OLA ICBM COMPLEX

25X1A

56-34-N 048-10-E

25X1A

STATUS: OPERATIONAL

REMARKS:

25X1D WITH THE EXCEPTION OF 15 SS-13 LAUNCH SITES AND THREE SS-13  
25X1D LAUNCH CONTROL FACILITIES, ALL COMPONENTS OF THE COMPLEX WERE  
25X1D OBSERVED. AN SS-13 LAUNCH SITE, DESIGNATED 76E, IS NEWLY  
25X1D IDENTIFIED IN A MIDSTAGE OF CONSTRUCTION AT 57-03-N  
048-29-E. IT WAS NOT PRESENT IN [REDACTED] AND WAS FIRST SEEN IN  
[REDACTED] LAUNCH SITE 74 HAS NOW BEEN RE-ASSIGNED TO LAUNCH  
GROUP F. LAUNCH GROUP E NOW CONSISTS OF LAUNCH SITES 56-61,  
65, 72, 73, AND 76, AND GROUP F NOW CONSISTS OF SITES 62-64,  
66-69, 74, AND 75. NO OTHER NEW MISSILE ACTIVITY OBSERVED.

25X1D

PHOTOGRAPHIC REFERENCE FOR THE NEW SITE --  
LS 76E -- [REDACTED]

25X1D

[REDACTED]



Handle Via  
Talent-KEYHOLE  
Control System Only

TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

25X1D

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

[REDACTED]

ZHANGIZ-TOBE ICBM COMPLEX

25X1A

49-13- [REDACTED] N 081-09- [REDACTED] E

25X1D

25X1D

25X1A

25X1D

STATUS: OPERATIONAL

REMARKS:  
THIRTY-THREE OF THE 48 SS-9 LAUNCH SITES, THE COMPLEX SUPPORT  
FACILITIES, THE HEADQUARTERS COMMAND AND CONTROL FACILITY, AND  
THE RAIL-TO-ROAD TRANSFER POINT WERE OBSERVED. NO NEW MISSILE  
ACTIVITY OBSERVED.

[REDACTED]

25X1D

ZHITOMIR MRBM COMPLEX  
NAC

25X1A

50-07- [REDACTED] N 028-16- [REDACTED] E

25X1D

25X1D

25X1D

STATUS: OPERATIONAL

REMARKS:  
LAUNCH SITE 1 AND PORTIONS OF LAUNCH SITES 2 AND 3, THE  
TRANSFER POINT, AND THE FIXED FIELD SITE WERE OBSERVED. NO  
SILO CONSTRUCTION OBSERVED.

[REDACTED]

25X1D

ZHMERINKA MRBM COMPLEX  
NAC

25X1A

49-09- [REDACTED] N 028-08- [REDACTED] E

25X1D

25X1D

25X1D

STATUS: OPERATIONAL

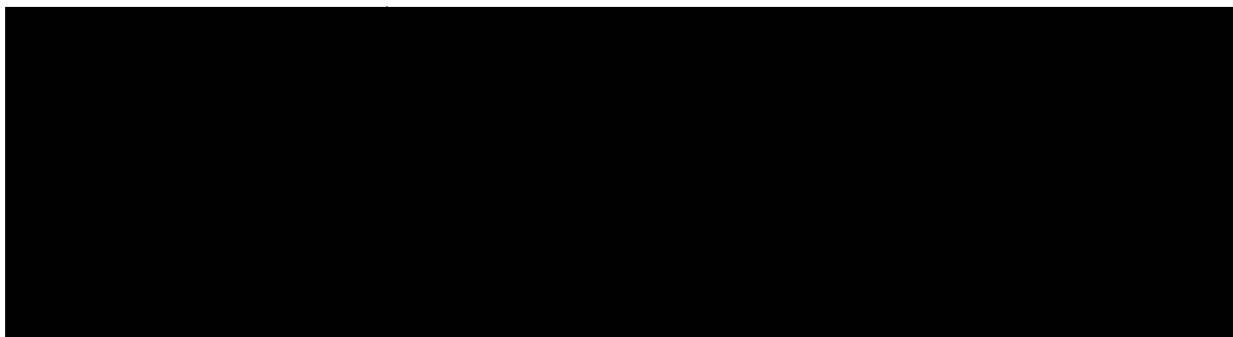
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Talent-KEYHOLE  
Control System Only

TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
DEPLOYED STRATEGIC SSM FACILITIES

REMARKS:  
LAUNCH SITES 1 AND 2 AND THE COMMUNICATIONS FACILITY WERE  
VISIBLE. NO SILO CONSTRUCTION OBSERVED.



OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

UGOLNYY IRBM LAUNCH SITE  
NAC

25X1A 64-47- N 177-58- E

STATUS:NOT OPERATIONAL

MISSILE ORDER OF BATTLE:  
NONE DISCERNIBLE



TOP SECRET RUFF  
Talent-KEYHOLE  
Control System Only

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
MISSILE RANGES

SIGNIFICANT RESULTS

AKHTUBINSK FLIGHT TEST CENTER

25X1A

48-17- N 046-11- E

25X1D

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:  
TAXIWAY IMPROVEMENT AND CONSTRUCTION ON NEW BUILDINGS WAS  
CONTINUING AT THE MAIN AIRFIELD AND AT THE AAM AND ASM SUPPORT  
COMPLEXES. CONSTRUCTION WAS ALSO CONTINUING ON THE TAXIWAY AND  
ROAD AT THE AREA AIRFIELD.

FOR ORDER OF BATTLE, SEE REPORTS ON THE FOLLOWING COMPONENTS.  
AKHTUBINSK/VLADIMIROVKA AIRFIELD  
AKHTUBINSK/VLADIMIROVKA AAM SUPPORT COMPLEX  
AKHTUBINSK/VLADIMIROVKA ASM SUPPORT COMPLEX  
AKHTUBINSK/VLADIMIROVKA AREA AIRFIELD

25X1A

25X1A

25X1A

AKHTUBINSK/VLADIMIROVKA AAM SUPP CPLX

48-18- N 046-10- E

25X1D

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:  
CONSTRUCTION WAS CONTINUING ON THE TWO NEW BUILDINGS.

AIR ORDER OF BATTLE:  
2 PROB FIDDLER  
1 CRATE

4 SMALL SWEEP/DELTA-WING  
(AT LEAST)

Handle Via  
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~~TOP SECRET RUFF~~

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KH-4 MISSION 1110-2

SOVIET UNION  
MISSILE RANGES

25X1D AKHTUBINSK/VLADIMIROVKA AIRFIELD

25X1D 25X1D  
48-18- [REDACTED] N 046-13- [REDACTED] E

25X1A  
STATUS: OPERATIONAL

REMARKS:  
CONSTRUCTION WAS CONTINUING ON SEVERAL NEW BUILDINGS. THE  
TAXIWAY WAS STILL BEING IMPROVED.

AIR ORDER OF BATTLE:

5 BLINDER  
8 BADGER/CAMEL  
1 PROB FIDDLER  
1 COCK  
1 CAT/CUB

20 SMALL SWEEP/DELTA-WING  
(AT LEAST)  
2 MEDIUM STRAIGHT-WING  
11 LIGHT STRAIGHT-WING  
8 PROB HELICOPTERS

25X1D [REDACTED]

25X1D AKHTUBINSK/VLADIMIROVKA AREA AIRFIELD

25X1D 25X1D  
48-18- [REDACTED] N 046-16- [REDACTED] E

25X1A  
STATUS: OPERATIONAL

REMARKS:  
CONSTRUCTION WAS CONTINUING ON THE NEW TAXIWAY AND ROAD.

AIR ORDER OF BATTLE:

2 BEAR  
10 BADGER/CAMEL (1 IN  
FLIGHT)  
8 PROB BEAGLE

5 PROB MANDRAKE  
10 PROB FAGOT/FRESCO  
7 SMALL AIRCRAFT (AT LEAST)

25X1D [REDACTED]

Handle Via  
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Control System Only

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TOP SECRET RUFF

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SOVIET UNION  
MISSILE RANGES

25X1D

AKHTUBINSK/VLADIMIROVKA ASM SUPP CPLX

25X1D 25X1D  
48-17- [REDACTED] N 046-12- [REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:  
CONSTRUCTION WAS CONTINUING ON A SMALL NEW BUILDING.

AIR ORDER OF BATTLE:

2 BEAR

1 CRATE

2 BLINDER

1 SMALL SWEEP-WING

1 BEAGLE

25X1D

25X1D

25X1D

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

48-42- [REDACTED] N 046-00- [REDACTED] E

25X1D

25X1A

25X1A

STATUS: UNKNOWN

REMARKS:  
ONLY THE SOUTHEASTERN 40 PERCENT OF THE SEARCH AREA WAS  
COVERED. NO LAUNCH COMPLEXES OR NEW MISSILE FACILITIES  
OBSERVED.

25X1D

25X1D

PLESETSK MISSILE AND SPACE CENTER

62-56- [REDACTED] N 040-37- [REDACTED] E

25X1D

25X1A

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:  
ALL COMPONENTS OF THE CENTER WERE OBSERVED EXCEPT LAUNCH SITES

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
MISSILE RANGES

1, 2, 7, AND 16, THE MAIN SUPPORT BASE, THE RANGEHEAD TRACKING FACILITY, THE NEW AIRFIELD, THE EARTH SATELLITE VEHICLE TRACKING FACILITY, THE MISSILE RECEIVING FACILITY, AND COMMUNICATIONS FACILITIES 1-4. RAIL CARS, VEHICLES, AND PIECES OF EQUIPMENT WERE OBSERVED THROUGHOUT THE CENTER, NO NEW MISSILE ACTIVITY OBSERVED.

25X1D

25X1D

SARY-SHAGAN MISSILE TEST CENTER

46-11- [REDACTED] 072-41- [REDACTED]

25X1D

25X1A

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE CENTER WAS COVERED BY GENERALLY CLEAR PHOTOGRAPHY OF FAIR INTERPRETABILITY. AT LAUNCH COMPLEX D, THE FINAL ASSEMBLED RADOME SECTION HAD NOT BEEN PLACED ON MODIFIED TRY ADD BUILDING A AS OF [REDACTED] A PROBABLE LAUNCHER WAS BEING INSTALLED AT LAUNCH POSITION D3. AT LAUNCH COMPLEX F, THE PREVIOUSLY REPORTED SUSPECT LAUNCH POSITION AT LAUNCH SITE 1 IS IDENTIFIED AS A PROBABLE LAUNCH POSITION. NO SIGNIFICANT CHANGES WERE OBSERVED AT THE REMAINDER OF THE LAUNCH COMPLEXES.

25X1D

25X1D

ON [REDACTED] A TOTAL OF FOUR GALOSH CANISTERS WAS OBSERVED IN THE EXPLOSIVES AND SOLID PROPELLANT STORAGE AREA IN THE OPERATIONAL SUPPORT BASE.

25X1D

ROAD CONSTRUCTION, PREVIOUSLY REPORTED AS UNDERWAY BETWEEN THE LAUNCH COMPLEX C SERVICE ROAD AND THE AREA OF UNIDENTIFIED ACTIVITY NE OF THE LAUNCH COMPLEX C LAUNCH AREA, HAD BEEN EXTENDED NEARLY TO THE AREA OF UNIDENTIFIED ACTIVITY BY [REDACTED] NO NEW MISSILE FACILITIES WERE IDENTIFIED.

25X1D

Handle Via  
Talent-KEYHOLE  
Control System Only

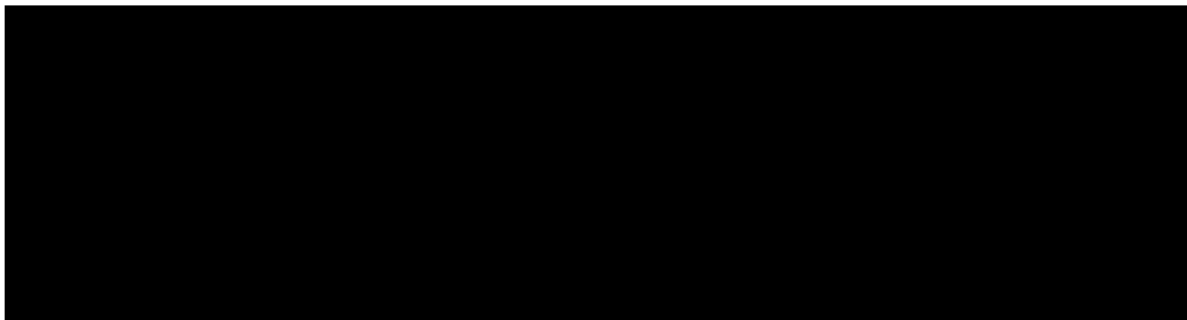
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TOP SECRET RUFF

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KH-4 MISSION 1110-2

SOVIET UNION  
MISSILE RANGES

25X1D



25X1D

TYURATAM MISSILE TEST CENTER

25X1A

45-56- N 063-28- E

25X1D

25X1D

25X1A

STATUS: OPERATIONAL

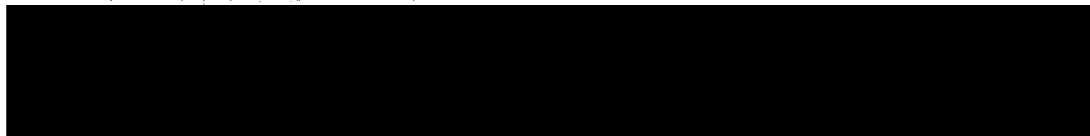
25X1D

REMARKS:

THE ENTIRE TEST CENTER WAS COVERED ON [REDACTED] AT LAUNCH COMPLEX C, THE ERECTOR HAD BEEN REMOVED FROM LAUNCH PAD C1. AT LAUNCH COMPLEX G, THE GANTRIES WERE PARKED TO THE REAR OF THE LAUNCH PADS AT LAUNCH AREA G3-G4, AND THE GANTRY WAS ON LAUNCH PAD G6 AT LAUNCH AREA G5-G6. AT LAUNCH COMPLEX J, A PARTIAL LAUNCH VEHICLE ERECTED ON LAUNCH PAD J2 APPEARED TO BE THE SAME AS THAT OBSERVED ON [REDACTED] IN LAUNCH GROUP L, A POSSIBLE MISSILE EXERCISE WAS OBSERVED AT LAUNCH SITE L9. VEHICULAR ACTIVITY WAS OBSERVED AT LAUNCH SITES D1, I7, O2, AND O4. NO OTHER MISSILE ACTIVITY OBSERVED.

25X1D

25X1D



Handle Via  
Talent-KEYHOLE  
Control System Only

TOP SECRET RUFF

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TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
AIR DEFENSE MISSILES

### SIGNIFICANT RESULTS

25X1D LENINGRAD SA-5 LAUNCH CPLX SEARCH AREA

59-55-//N 030-20-//E

25X1A

25X1A

STATUS:UNKNOWN

REMARKS:  
NO NEW SA-5 OR ELECTRONICS FACILITIES WERE OBSERVED. THE  
SEARCH IS CONTINUING.

25X1D

25X1D

MOSKVA ABM SEARCH AREA

25X1A

55-45-//N 037-37-//E

25X1A

STATUS:UNKNOWN

REMARKS:  
THE EASTERN HALF OF THE SEARCH AREA WAS COVERED BY PHOTOGRAPHY  
WITH SCATTERED CLOUD COVER. THE SEARCH IS CONTINUING.

25X1D

### OTHER RESULTS-NO APPARENT CHANGE

25X1D

MOSKVA ABM LAUNCH COMPLEX E15  
NAC

25X1A

55-09-//N 038-22-//E

STATUS:NOT OPERATIONAL

25X1D REMARKS:  
ONLY THE TRY ADD AREA WAS OBSERVED. THE SUPPORT AND HOUSING  
AREA WAS CLOUD COVERED. NO NEW TRACK ACTIVITY IS APPARENT IN  
THE TRY ADD AREA SINCE [REDACTED] THERE WAS NO EVIDENCE THAT  
CONSTRUCTION HAS BEEN RENEWED AT ANY OF THE THREE TRY ADD  
BUILDINGS.



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25X1D

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Handle Via  
Talent-KEYHOLE  
Control System Only

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~~TOP SECRET RUFF~~

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
COMMO/ELEC/RADAR FACILITIES

### SIGNIFICANT RESULTS

25X1D

KARMANOVO HF COMMO FAC

25X1A

25X1D

25X1D

47-17- N 029-26- E

STATUS: UNDER CONSTRUCTION

#### PHYSICAL DESCRIPTION:

3.1 NM NW OF KARMANOVO AND 11.5 NM EAST OF DUBOSSARY. THE SECURED FACILITY CONSISTS OF A LARGE CENTRAL CONTROL BUILDING 41 X 41 METERS (135 X 135 FEET) AND SEVERAL SMALL SUPPORT BUILDINGS UNDER CONSTRUCTION. THE ANTENNA FIELD CONTAINS A LINEAR ARRAY CONSISTING OF 12 TOWERS ORIENTED ON A PROPOGATION AZIMUTH OF 246 DEGREES. A TALL VERTICAL RADIATOR IS IN THE NE CORNER OF THE ANTENNA FIELD. ANCHOR GROUND SCARS FOR A SECOND VERTICAL RADIATOR UNDER CONSTRUCTION ARE IN THE NW CORNER OF THE ANTENNA FIELD.

25X1D

(SEE ATTACHMENT)

TOP SECRET RUFF  
Talent-KEYHOLE  
Control System Only

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D ANADYR/LENINKA AIRFIELD  
[REDACTED] NAC

25X1A 25X1D 25X1D  
64-44- [REDACTED] N 177-44- [REDACTED] E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

2 CAT/CUB

4 CRATE

24 SMALL SWEEP/DELTA-WING

7 SMALL STRAIGHT-WING  
11 PROB AIRCRAFT

25X1D BARANOVICHI AIRFIELD  
[REDACTED] NAC

25X1A 25X1D  
53-05- [REDACTED] N 026-02- [REDACTED] E

STATUS: OCCUPIED

AIR ORDER OF BATTLE:

27 BLINDER

4 BADGER/CAMEL

1 SMALL STRAIGHT-WING

25X1D DOLON AIRFIELD

[REDACTED] NAC

25X1A 25X1D  
50-32- [REDACTED] N 079-10- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

THE ASM ORDER OF BATTLE AT THIS AIRFIELD IS REPORTED UNDER  
DOLON ASM FACILITY [REDACTED] 25X1A

AIR ORDER OF BATTLE:

4 BISON

37 BEAR

30 BADGER

1 CAMEL

1 CAMP

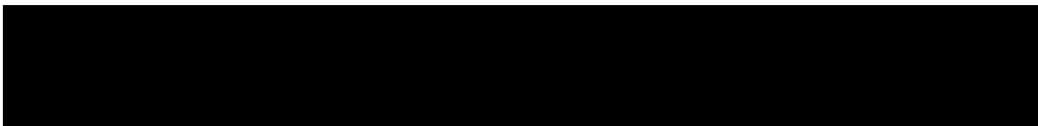
2 CAT/CUB

1 CAB

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
AIR BASE FACILITIES

25X1D



25X1D 25X1D

25X1D

DOLON ASM FACILITY  
[REDACTED] NAC

25X1A 50-30-[REDACTED] N 079-04-[REDACTED] E

STATUS:OCCUPIED

ASSOCIATED OBJECTS:  
32 KANGAROO ASM

2 KANGAROO FUSELAGES

25X1D



25X1D 25X1D

25X1D

KHOROL AIRFIELD EAST  
[REDACTED] NAC

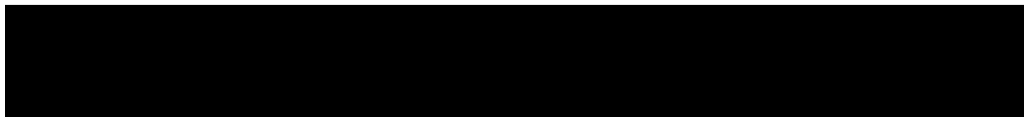
25X1A 44-26-[REDACTED] N 132-07-[REDACTED] E

STATUS:OPERATIONAL

AIR ORDER OF BATTLE:  
30 BADGER

21 BEAR

25X1D



25X1D 25X1D

25X1D

MINSK/MACHULISHCHE AIRFIELD  
[REDACTED] NAC

25X1A 53-46-[REDACTED] N 027-34-[REDACTED] E

STATUS:OPERATIONAL

AIR ORDER OF BATTLE:  
30 BLINDER  
1 COOKPOT  
1 CAT/CUB  
1 CRATE

2 PROB CAB  
1 POSS SMALL STRAIGHT-WING  
2 PROB MEDIUM HELICOPTERS  
33 SMALL SWEEP/DELTA-WING



25X1D



TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
AIR BASE FACILITIES

25X1D USSURIYSK/VOZDVIZHENKA AIRFIELD

25X1D 43-54-N 131-55-E  
25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:  
FIFTEEN HANGARETTES WERE COMPLETE AND EARTH COVERED, AND 28  
HANGARETTES WERE UNDER CONSTRUCTION. THE GCA AND COMMUNICATION  
SITES WEST OF THE CENTER OF THE CONCRETE RUNWAY WERE BEING  
RETTED.

AIR ORDER OF BATTLE:

28 BADGER



2 CAB

43 SMALL SWEEP-WING

1 POSS CLOD

20 BEAGLE

25X1D UZIN/CHEPELEVKA AIRFIELD  
25X1D  NAC

25X1D 49-47-N 030-26-E  
25X1A

STATUS: OCCUPIED

REMARKS:  
THIS IS THE FIRST IDENTIFICATION OF BLINDER AT THIS AIRFIELD.



AIR ORDER OF BATTLE:

41 BEAR (AT LEAST)

4 CAT/CUB

11 BLINDER

25X1D ZHANGIZ-TOBE EAST AIRFIELD 25X1A

25X1D 49-13-N 081-17-E  
25X1D

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

3.2 NM EAST OF ZHANGIZ-TOBE. A 2,526 X 45-METER (8,288 X

TOP SECRET RUFF

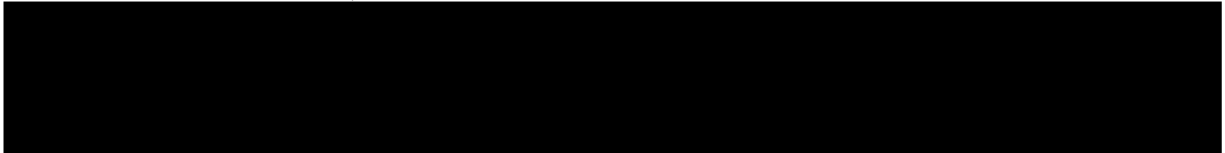
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KH-4 MISSION 1110-2

SOVIET UNION  
AIR BASE FACILITIES

148-FOOT) NW/SE SERVICEABLE GRADED-EARTH RUNWAY WITH A PARALLEL  
TAXIWAY, TWO END-CONNECTING LINKS, AND TWO CROSSOVER LINKS.

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



25X1D

ZHITOMIR/SKOMOROKHI AIRFIELD  
[REDACTED] NAC

25X1A 50-09-[REDACTED]N 028-44-[REDACTED]E

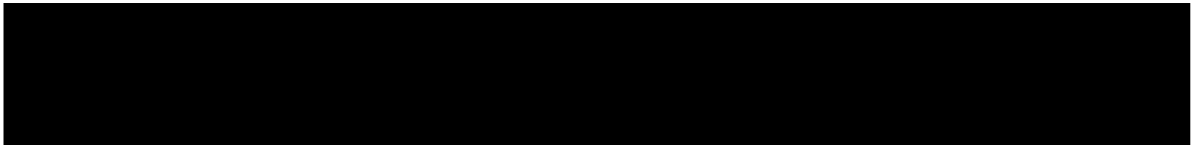
25X1D

25X1D

STATUS:OCCUPIED

AIR ORDER OF BATTLE:  
7 BADGER

25X1D



TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

DUNAY SUB BASE A SHPYD RAZBOYNIK BAY  
[REDACTED] NAC

25X1D

25X1D

25X1A 42-53-[REDACTED] N 132-21-[REDACTED] E

STATUS: OPERATIONAL

25X1D

NAVAL ORDER OF BATTLE:

[REDACTED] -- AT PIERS  
3 UNIDENTIFIED LARGE SS  
1 KRUPNYY AG  
1 POSS DNEPR AR

1 EMPTY FLOATING DOCK  
7 UNIDENTIFIED VESSELS

25X1D

[REDACTED] -- IN THE BAY  
4 POSS YAGT

25X1D

[REDACTED]

25X1D

DUNAY SUB BASE KONYUSHKOVA BAY  
[REDACTED] NAC

25X1D

25X1D

25X1A 42-51-[REDACTED] N 132-21-[REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

1 MEDIUM SS  
3 POSS SS

2 UNIDENTIFIED SMALL CRAFT

25X1D

[REDACTED]

25X1D

STRELOK ST SUB BASE PAVLOVSKOGO BAY  
[REDACTED] NAC

25X1D

25X1D

25X1A 42-52-[REDACTED] N 132-31-[REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

1 Y SSBN  
3 UNIDENTIFIED LARGE SS  
2 PROB 202A AEM/ASL

4 UNIDENTIFIED AUXILIARIES  
2 UNIDENTIFIED SMALL CRAFT

25X1D

[REDACTED]

TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
NAVAL BASE FACILITIES

25X1D

VLADIVOSTOK NAVAL BASE + SHIPYARD 202  
NAC

25X1A

43-06- N 131-55- E

25X1D

25X1D

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

1 J SSG  
3 Z SONAR CONVERSION SS  
1 POSS B SS  
11 MEDIUM SS  
1 OSS

2 CL  
1 CL IN DRYDOCK  
6 PROB DD  
12 PROB COMBATANTS  
1 TRANSPORTER DOCK

25X1D

VLADIVOSTOK NVL BASE A RPR YD DIOMID  
NAC

25X1A

43-05- N 131-54- E

25X1D

25X1D

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

1 MEDIUM SS  
2 POSS SS  
1 DE

1 POSS SC  
3 SMALL COMBATANTS  
1 FLOATING DRYDOCK

25X1D

25X1D

VLADIVOSTOK SUBMARINE BASE ULISA BAY  
NAC

25X1A

43-04- N 131-55- E

25X1D

25X1D

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

-- AT SUBMARINE BASE  
4 MEDIUM SS  
1 POSS SS

1 AS

-- AT BYSTRY SHIPYARD  
1 POSS MHC

3 SMALL VESSELS

25X1D

25X1D



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25X1D

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TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

GEORGIYEVKA ARMY BARRACKS 25X1A

25X1D

25X1D

49-19- N 081-32- E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

1.5 NM WEST OF GEORGIYEVKA. THIS PARTILLY SECURED INSTALLATION CONTAINS SIX BARRACKS UNDER CONSTRUCTION, THREE BUILDINGS UNDER CONSTRUCTION, AND FOUNDATIONS FOR AT LEAST SIX ADDITIONAL BUILDINGS. APPROXIMATELY 125 TENTS WERE OBSERVED IMMEDIATELY NORTH OF THE INSTALLATION AND AN ADDITIONAL 30 WERE IN THE VEHICLE PARK ALONG THE WESTERN EDGE OF THE INSTALLATION. A CONSTRUCTION CAMP CONTAINING FOUR BARRACKS, TWO SUPPORT BUILDINGS, A MESSHALL, AND A VEHICLE PARK IS ALONG THE EASTERN EDGE OF THE INSTALLATION.

GROUND FORCE ORDER OF BATTLE:  
250 VEHICLES AND PIECES OF  
EQUIPMENT (AT LEAST)

25X1D

OTAR ARMY BARRACKS NORTH AL 1

25X1A

25X1D

25X1D

43-34- N 075-12- E

25X1D

25X1A

STATUS: OCCUPIED

REMARKS:

CONSTRUCTION ACTIVITY WAS CONTINUING IN THE POSSIBLE MISSILE-ASSOCIATED FACILITY, THE MAIN BARRACKS AREA, THE TRAINING AREAS, AND THE SUPPORT AREA.

GROUND FORCE ORDER OF BATTLE:  
300 VEHICLES OR PIECES OF  
EQUIPMENT (AT LEAST)

25X1D

TOP SECRET RUFF

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TOP SECRET RUFF

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KH-4 MISSION 1110-2

SOVIET UNION  
GROUND FORCE FACILITIES

25X1D



25X1D

25X1D

25X1D

UST-KAMENOGORSK ARMY BARRACKS

49-55-██ N 082-29-██ E

STATUS: OCCUPIED

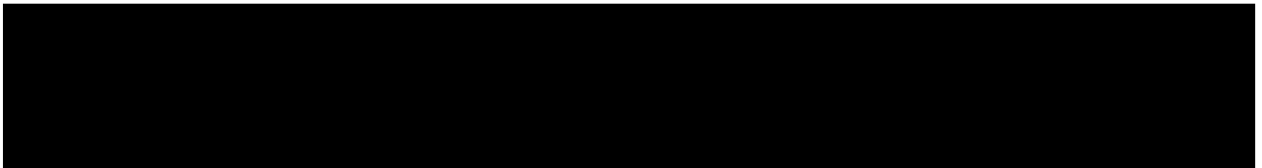
25X1A

PHYSICAL DESCRIPTION:

5.5 NM SW OF UST-KAMENOGORSK. THE FACILITY CONTAINS TWO ADMINISTRATION BUILDINGS (ONE UNDER CONSTRUCTION), 22 BARRACKS, SEVEN STORAGE BUILDINGS, THREE VEHICLE STORAGE BUILDINGS, 11 SUPPORT BUILDINGS, ONE MESSHALL, ONE VEHICLE MAINTENANCE BUILDING UNDER CONSTRUCTION, AND AT LEAST THREE ADDITIONAL BUILDING FOUNDATIONS. AN EXPLOSIVES STORAGE AREA CONTAINING TWO PUG STORAGE BUILDING AND ONE STORAGE BUILDING WAS UNDER CONSTRUCTION IMMEDIATELY SW OF THE MAIN BARRACKS AREA. TRAINING FACILITIES INCLUDE A FLAT-TRAJECTORY FIRING RANGE WITH MOVING TARGET RUNS IMMEDIATELY SOUTH OF THE BARRACKS AREA AND A TRACKED -VEHICLE FIRING RANGE WITH THREE FIRING RUNS 1.5 NM SW OF THE INSTALLATION. EIGHTEEN TENTS AND 14 PROBABLE TENTS WERE OBSERVED IN THE INSTALLATION.

GROUND FORCE ORDER OF BATTLE:  
400 VEHICLES AND PIECES OF  
EQUIPMENT (AT LEAST)

25X1D



25X2 Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010010-1

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TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
INDUSTRY

SIGNIFICANT RESULTS

25X1D KALININGRAD SHIPYARD STATE 820

25X1D 54-41- N 020-26- E

STATUS: OPERATIONAL

25X1A

25X1A

25X1D REMARKS:  
CONSTRUCTION WAS CONTINUING ON THE NEW BUILDINGWAYS AT THE WEST  
END OF THE YARD ON

NAVAL ORDER OF BATTLE:

2 PROB 820-A DE (1 AT  
FITTING-OUT QUAY, 1 ON  
BUILDINGWAY)  
1 DE  
6 PROB PCE (1 IN FLOATING  
DRYDOCK)

1 ALLIGATOR LST  
1 POSS ALLIGATOR LST  
11 MERCHANT SHIPS  
2 UNIDENTIFIED HULLS ON  
BUILDINGWAYS

25X1D

25X1D KAZAN AIRFRAME PLANT GORBUNOV 22  
NAC

25X1A 55-51- N 049-06- E

STATUS: OPERATIONAL

25X1D

25X1D ASSOCIATED OBJECTS:

7 BLINDER  
4 BADGER  
3 CLASSIC

1 CRATE  
4 CAB  
2 SMALL STRAIGHT-WING

25X1D

25X1D KOMSOMOLSK SHIPYARD AMUR 199  
NAC

25X1D 50-32- N 137-03- E

STATUS: OPERATIONAL

25X1A

25X1D

TOP SECRET RUFF

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TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
INDUSTRY

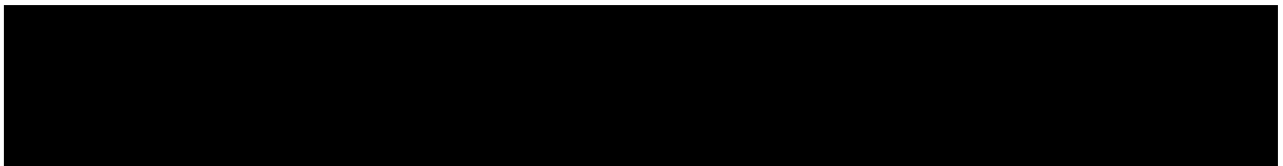
REMARKS:

MOST OF THE SHIPYARD (APPROXIMATELY 75 PERCENT), INCLUDING THE AREA IN FRONT OF THE CONSTRUCTION HALLS, WAS CLOUD COVERED. A PORTION OF A POSSIBLE LARGE TRANSPORTER DOCK WAS OBSERVED NEXT TO THE PIER AND A LARGE FLOATING CRANE WAS OBSERVED NEXT TO THE NORTH QUAY. THE BASIN WHICH RECEIVES THE VESSELS FROM THE CONSTRUCTION HALLS WAS PARTIALLY FILLED ON [REDACTED] NO SUBMARINE HULL SECTIONS WERE OBSERVED, AND THE STATUS OF EXISTING CONSTRUCTION COULD NOT BE DETERMINED.

NAVAL ORDER OF BATTLE:

1 POSS LARGE TRANSPORTER  
DOCK

1 LARGE FLOATING CRANE



KUYBYSHEV AIRFRAME PLT LENIN 18  
NAC

25X1A 53-13- [REDACTED] N 050-18- [REDACTED]

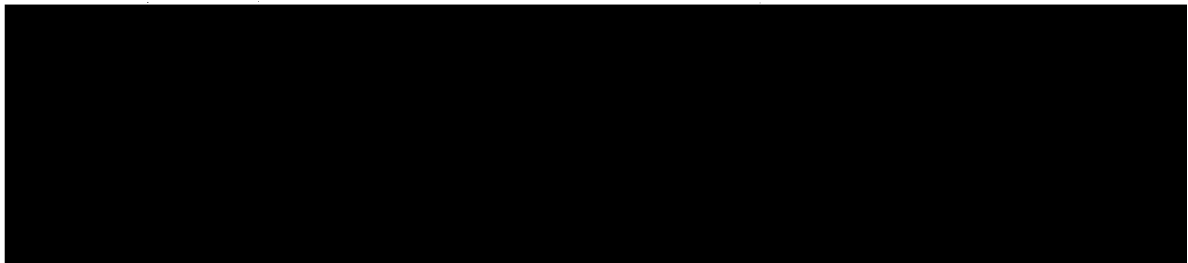
STATUS: OPERATIONAL

REMARKS:

AIRCRAFT COULD NOT BE IDENTIFIED ON [REDACTED] DUE TO OBLIQUITY.

ASSOCIATED OBJECTS:

4 MODIFIED BEAR (WITH	1 CLOD
ENLARGED LANDING GEAR PODS)	4 CRATE
1 MOSS	7 CAB
1 CAT/CUB	1 COLT
1 COKE	1 CREEK
2 CARELESS	



TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

SOVIET UNION  
INDUSTRY

25X1D

RETROVKA NAVAL BASE + SHIPYARD

43-07- [REDACTED] N 132-20- [REDACTED] E

25X1D

25X1D

25X1A

STATUS: OPERATIONAL

25X1A

REMARKS:  
CONSTRUCTION WAS CONTINUING ON THE LARGE BUILDING IN THE NORTH  
QUAY AREA ON [REDACTED] AND ROOFING WAS STILL BEING INSTALLED ON  
THE NEW REPAIRWAY SHED. THE LAUNCHING BASIN WAS FLOODED.

NAVAL ORDER OF BATTLE:  
[REDACTED] -- ON THE REPAIRWAYS

- |                                    |   |
|------------------------------------|---|
| 1 UNIDENTIFIED LARGE SS (ON WAY 1) | 1 SMALL UNIDENTIFIED COMBATANT (ON WAY 4) |
| 2 POSS LARGE SS (ON WAYS 2 + 3)    | 2 FLOATING WHARVES (ON WAY 5)             |

[REDACTED] -- IN THE WATER

- |   |                              |
|---|------------------------------|
| 1 POSS E SSGN (IN TRANSPORTER DOCK AT POSITION 3) | 1 PROB YRSN                  |
| 1 LARGE UNIDENTIFIED SS                           | 11 UNIDENTIFIED AUXILIARIES  |
| 1 POSS SS   | 1 EMPTY TD                   |
| 1 PROB SKORYY DD                                  | 2 FLOATING CRANES            |
| 1 MEDIUM COMBATANT                                | 1 UNIDENTIFIED MEDIUM VESSEL |
|   | 5 UNIDENTIFIED SMALL CRAFT   |

RETROVKA NUC SUB SUPP FAC

25X1A

43-07- [REDACTED] N 132-20- [REDACTED] E

25X1D

25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:  
CONSTRUCTION ACTIVITY WAS CONTINUING ON ONE OF THE PROCESSING  
BUILDINGS ON [REDACTED]

NAVAL ORDER OF BATTLE:  
1 UNIDENTIFIED SMALL CRAFT  
AT THE QUAY

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2  
25X1D

SOVIET UNION  
INDUSTRY

[REDACTED]

25X1D 25X1D

25X1D

RAMENSKOYE FLIGHT TEST CENTER  
[REDACTED] NAC

25X1A 55-33- [REDACTED] N 038-07- [REDACTED] E  
[REDACTED]

STATUS: OPERATIONAL

REMARKS:  
THE AFT SECTION OF A PROBABLE COOT WAS PROTRUDING FROM A LARGE  
REPAIR HANGAR IN THE ILYUSHIN AREA.

25X1D

ASSOCIATED OBJECTS:  
[REDACTED] -- TUPOLEV AREA  
3 BEAR  
3 BLINDER  
2 FIDDLER  
1 LUGGAGE  
1 CLEAT

1 CARELESS (TAXIING)  
1 PROB CRUSTY  
1 CAMEL  
2 PROB COOKPOT

25X1D

[REDACTED] -- EAST PARKING AREA  
2 KAZ-A  
4 BLINDER  
9 BADGER

3 FOXBAT  
1 CHARGER  
2 COOKPOT

25X1D

[REDACTED] -- SUKHOY AREA  
1 PROB CODDLING

11 SMALL DELTA/SWEPT-WING

25X1D

[REDACTED] -- ADJACENT AREA  
2 PROB BEAGLE  
1 PROB COOKER

1 COOT  
1 PROB COLT

25X1D

[REDACTED] -- MIKOYAN AREA  
5 FOXBAT (1 ON NEARBY  
TAXIWAY)

2 SMALL DELTA

25X1D

[REDACTED] -- ADJACENT AREA  
2 BEAGLE

25X1D

[REDACTED] -- YAKOVLEV AREA  
3 CODDLING  
7 SMALL SWEPT-WING (AT  
LEAST)

3 SMALL STRAIGHT-WING

25X1D

[REDACTED] -- ILYUSHIN AREA  
2 CLASSIC  
1 CAMEL  
4 COOT

1 CAT/CUB  
2 SMALL DELTA/SWEPT-WING  
1 HOMER



TCS-20220/70 - IPIR 4  
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SOVIET UNION  
INDUSTRY

25X1D



-- CROSSOVER AREA

2 MANDRAKE  
1 CAMEL  
3 CAT/CUB

1 COOT  
30 SMALL DELTA/SWEPT-WING  
(AT LEAST)

25X1D



-- MYASISHCHEV AREA

1 BOUNDER

2 BISON

25X1D



-- MIL AREA

4 POSS SMALL HELICOPTERS

25X1D



-- TRANSIENT AREA

6 CAMEL  
3 CAT/CUB  
3 COOT  
2 COKE

3 SMALL SWEPT-WING  
1 LIGHT STRAIGHT-WING  
2 HARKE/HOOK

25X1D



-- ON TAXIWAYS

1 CAMEL TAKING OFF

1 COKE TAXIING

25X1D



25X1D

SEVERODVINSK SHIPYARD 402

25X1A

25X1D

25X1D

64-34- N 039-49- E

STATUS: OPERATIONAL

25X1A

REMARKS:

25X1D

A Y SSBN HAS BEEN LAUNCHED SINCE [REDACTED],  
PROBABLY FROM BUILDINGWAY C. THIS IS THE 14TH UNIT OF THIS  
CLASS LAUNCHED AT THE YARD. A Y SSBN, PROBABLY THE NEWLY  
LAUNCHED UNIT, WAS AT POSITION IV OF THE MAIN FITTING-OUT QUAY  
ON [REDACTED] THE OTHER Y-CLASS UNIT WAS OBSERVED NEAR THE  
DEGAUSSING FACILITY. THE PRESENCE OF FLOTATION DEVICE SUPPORTS  
IN THE LAUNCH BASIN ON LAUNCH RAIL B INDICATED THAT  
PREPARATIONS FOR THE LAUNCH OF THE 15TH UNIT WERE UNDERWAY. THE  
H-III HAD MOVED FROM ITS POSITION OF [REDACTED] POSITION IV, TO  
POSITION I OF THE MAIN FITTING-OUT QUAY ON [REDACTED] THE 402-J  
SUBMARINE REMAINED IN THE WETDOCK AT YAGRY ISLAND SHIPYARD, AND  
THE DOCK WAS BEING FLOODED. THIS WOULD INDICATE THAT ANY, OR  
ALL, OF THE THREE SUBMARINES (H-III SSBN, E-II SSGN, AND 402-J  
SUBMARINE) IN THE DOCK WERE ABOUT TO BE REMOVED. THE LENIN AGBN  
LAST OBSERVED ON [REDACTED] COULD NOT BE LOCATED WITHIN THE

25X1D

25X1D

25X1D

25X1D

TOP SECRET RUFF

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SOVIET UNION  
INDUSTRY

25X1D

SHIPYARD ON [REDACTED]

25X1D NAVAL ORDER OF BATTLE:

2 Y SSBN  
1 H-III SSBN  
1 E-II SSGN IN LAUNCH BASIN  
1 402-H CATAMARAN  
1 LARGE TRANSPORTER DOCK

1 LARGE FLOATING CRANE  
1 FLOATING DOCK  
3 RECTANGULAR SUPPORT  
BARGES  
2 SMALL VESSELS

25X1D [REDACTED] -- AT EAST QUAY

2 APL  
3 AUXILIARIES

2 SUPPORT BARGES  
3 SMALL VESSELS

25X1D [REDACTED]

25X1D

25X1D

25X1D ZLATOUST ARMAMENT PLANT 66

25X1A

55-06-[REDACTED] N 059-42-[REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:

25X1D CONSTRUCTION CONTINUED ON THE NEW BUILDINGS IN AND ADJACENT TO  
25X1D THE NORTH PLANT (PLANT B) AREA. APPROXIMATELY TEN LARGE RAIL  
CARS WERE DISCERNIBLE ON THE SIDING NEXT TO THE PLANT B FINAL  
ASSEMBLY BUILDING ON [REDACTED] A MULTISTORY BUILDING UNDER  
CONSTRUCTION SINCE [REDACTED] IN THE SOUTH PLANT  
(PLANT A) AREA APPEARED TO BE COMPLETE.

25X1D [REDACTED]

TOP SECRET RUFF

TCS-20220/70 - IPIR 4  
KH-4 MISSION 1110-2

VIET-NAM, NORTH  
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D  
HON GAI PORT FACILITIES  
NAC

25X1A

25X1D 20-57- N 107-04- E 25X1D

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:  
NUMEROUS SMALL CRAFT

25X1D

## **Attachments**

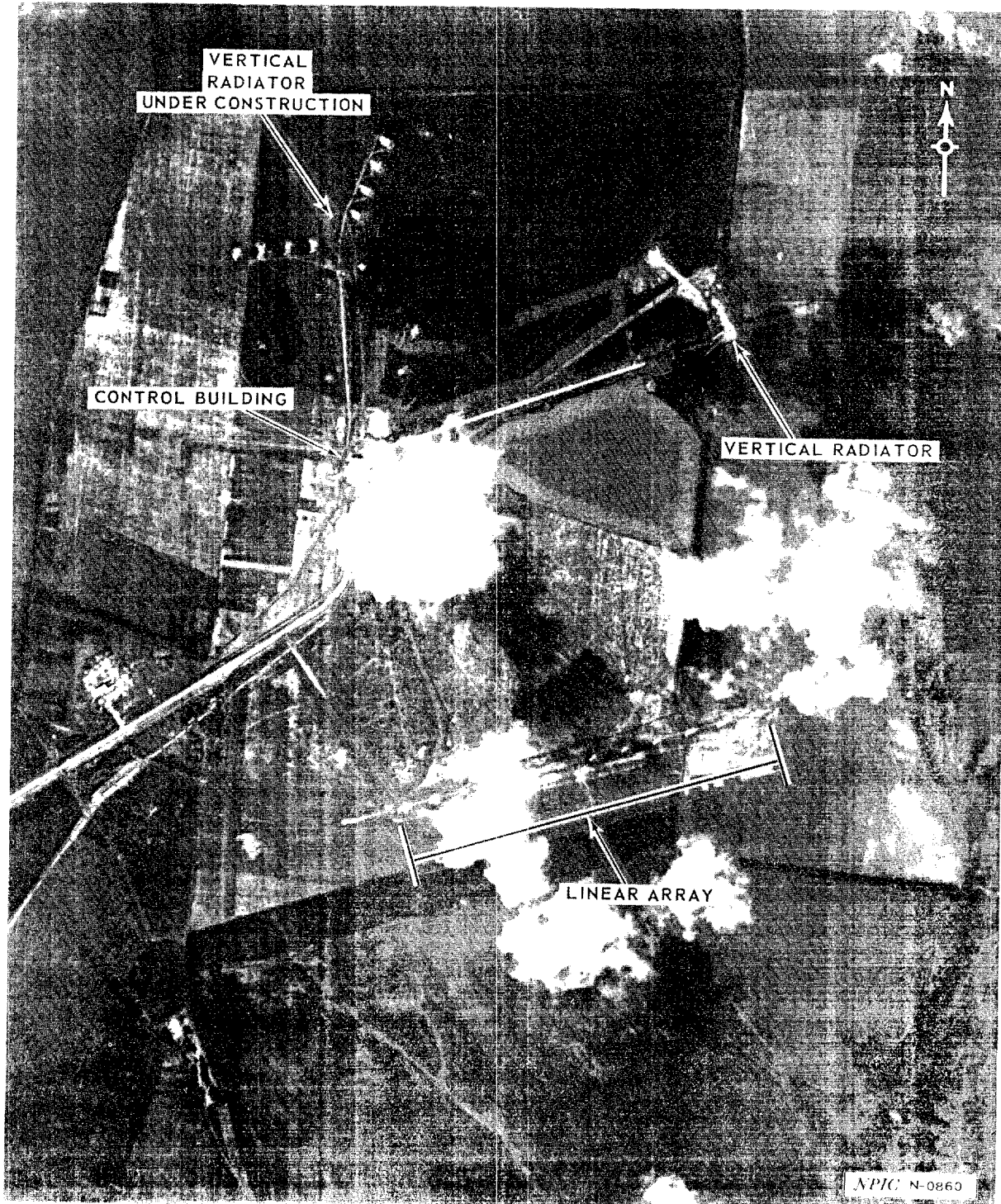
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TOP SECRET RUFF

KH 4 MISSION 1110 2, 31 MAY 8 JUNE 1970

TCS 00220 70

ATTACHMENT 1



KAPMANOVO HF COMMUNICATIONS FACILITY, USSR

25X1A

KH-4 MISSION 1110-2, 31 MAY - 8 JUNE 1970

Table 1. DEPLOYED ICBM COMPLEXES AND TYURATAM MTC

COMPLEX	SS-7	SS-8	SS-9	SS-11	SS-13	OTHER	TOTAL * LAUNCHERS	LAUNCH GROUPS	LAUNCHERS	
	TYPE 11A, B&D &111A	TYPE 11C & 111B	TYPE 111C	TYPE 111D	TYPE 111E	UNDET TYPE			NEW THIS MISSION	DROPPED THIS MISSION
	SITES	LAUNCHERS						IDENT. COMP.	INCLUDED IN TOTAL	
ALEYSK			30				30	5 4		
* DOMBAROVSKIY			60				60	10 7		
* DROVYANAYA	6 15			50			65	5 5		
GLADKAYA	3 7			60			67	6 6		
* IMENI GASTELLO			48				48	8 6		
ITATKA	3 6						6			
* KARTALY			36				36	6 5		
KOSTROMA	7 15			90			105	9 8		
* KOZELSK		5 12		110			122	11 10		
NOVOSIBIRSK	5 12						12			
OLOVYANNAYA	3 9			90			99	9 9		
OMSK		1 3					3			
* PERM	6 13			80			93	8 6	5	
* PLESETSK MSC	3 7	2 4					11 **			
* SHADRINSK	3 9						9			
SVOBODNYI	8 17			60			77	6 6		
TATISHCHEVO				120			120	12 12		
* TEYKOVO	6 12			80			92	8 6	1	
TYUMEN		2 4					4			
UZHUR			55				55	10 8		
* VERKHNYAYA SALDA	9 20						20			
* YEDROVO	8 18			104			122	12 7		
* YOSHKAR-OLA	6 12				60		72	6 2	1	
YURYA	11 25						25			
* ZHANGIZ-TOBE			48				48	8 6		
TOTALS	87 197	10 23	277	844	60		1401	139 113	7	

* TYURATAM MTC	TOTAL LAUNCHERS INCLUDE 17 SSM R&D SPACE LAUNCH POSITIONS	73 (1)			
----------------	--	--------	--	--	--

\*TOTAL DOES NOT INCLUDE THE TRAINING SITES AT THE 17 SINGLE-SILO COMPLEXES NOR THE TYPE 111D LAUNCH SITES AT THE DERAZHNYA MRBM COMPLEX AND THE PERVOMAYSK IRBM COMPLEX.

\*\*NOT INCLUDED ARE THE 8 TYPE 1, 6 OTHER TYPE II, 10 TYPE 11E AND 3 UNDETERMINED TYPE-III LAUNCH POSITIONS

\* COVERED THIS MISSION

PARENS INDICATE POSSIBLE LAUNCHERS AND ARE NOT INCLUDED IN COUNT

KH-4 MISSION 1110-2, 31 MAY - 8 JUNE 1970

Table 2. SOVIET MRBM AND IRBM DEPLOYMENT

GEOGRAPHIC AREA	SOFT MRBM LAUNCH SITES	SOFT IRBM LAUNCH SITES	HARD MRBM LAUNCH SITES	HARD IRBM LAUNCH SITES	TOTAL LAUNCH SITES	TOTAL LAUNCH POSITIONS
WESTERN	104	10*	18	10	142	556**
CAUCASUS	3		2	3	8	29
CENTRAL ASIA	2	1	1	3	7	25
FAR EASTERN	6	1		1	8	35
TOTALS	115	12	21	17	165	645**

Totals do not include 104 fixed field-type sites with total of 389 launch positions and one launch facility at Sovetskaya Gavan

\*One has only 2 pads

\*\*Totals do not include the 68 inactive launch positions at Gvardeysk, Simferopol, Barano-Orenburgskoye, Balta (1 site), Uman (2 sites), Paplaka, Mukachevo, Derazhnya (2 sites), Ugolnyy, and Zhitomir (1 site) Complexes

Table 3. TYPE IIID LAUNCH SITES AT MR/IRBM COMPLEXES

COMPLEX	SITES *	LAUNCH GROUPS	LAUNCHERS	
			NEW THIS MISSION	DROPPED THIS MISSION
		IDENTIFIED		
		COMPLETE	INCLUDED IN TOTAL	
★ DERAZHNYA	48 (3)	6	1	
★ PERVOMAYSK	55	6		
Totals*	103 (3)	12	1	

\*Totals do not include training sites

Parens indicate possible site and are not included in count

★ Covered this mission

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~~TOP SECRET~~